

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Kazuhiko MORITA, et al.

Serial No.: Unassigned

Group:

Filed: Concurrently

Examiner:

FOR: MULTIPLE LAYERS LAMINATED POLYOLEFIN FOAM

Date: November 29, 2001

The Hon. Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

Preliminary to examination, please amend the herewith filed application as follows:

**IN THE CLAIMS**

Please cancel claims 4-14 in their entirety and without prejudice.

Please enter the following new claims:

--15. (New) The multiple layers laminated polyolefin foam according to claim 1, wherein the outermost layer among the polyolefin layers in the multiple layers laminated polyolefin foam contains a polymer type antistatic agent so that the surface resistivity is no more than  $1 \times 10^{13}\Omega$ .

16. (New) The multiple layers laminated polyolefin foam according to claim 15, wherein the polymer-type antistatic agent

comprises a compound of at least one type selected from polyetheresteramides and polyethers as the main component.

17. (New) The multiple layers laminated polyolefin foam according to claim 16, wherein the polyetheresteramide is a polymer obtained by polymerization reaction of a polyamide with an alkylene oxide adduct of a bisphenol.

18. (New) The multiple layers laminated polyolefin foam according to claim 17, wherein the polyamide is of at least one type selected from caprolactam polymer, 12-aminododecanoic acid polycondensate, and adipic acid-hexamethylene diamine polycondensate.

19. (New) The multiple layers laminated polyolefin foam according to claim 16, wherein the polyether is a compound having at least two quaternary ammonium bases and is the reaction product of (a) an oxyalkylene ether obtained by addition reaction of an alkylene oxide with a phenol-divinyl benzene addition polymer, (b) one type of glycidyl ether selected from glycidyl ethers of polyoxyalkylene glycols and glycidyl ethers of adducts of phenols and alkylene oxides, an amine compound having an aliphatic hydrocarbon group containing 1 to 22 carbon atoms, and a quaternizing agent.

20. (New) The multiple layers laminated polyolefin foam according to claim 19, wherein (a) the polyoxyalkylene ether is an adduct obtained by the addition reaction of ethylene oxide and a copolymer of ethylene oxide and propylene oxide with a

bisphenol-divinyl benzene addition polymer, (b) the glycidyl ether of polyoxyalkylene glycol is glycidyl ether of polyoxyethylene glycol, and the adduct of a phenol and an alkylene oxide is an adduct of bisphenol and ethylene oxide.

21. (New) The multiple layers laminated polyolefin foam according to claim 15, wherein the polymer-type antistatic agent is present in the outermost polyolefin layer in an amount of from 2 to 30 wt.%.

22. (New) The multiple layers laminated polyolefin foam according to claim 16, wherein the polymer-type antistatic agent is present in the outermost polyolefin layer in an amount of from 2 to 30 wt.%.

23. (New) The multiple layers laminated polyolefin foam according to claim 15, wherein the ratio ( $\alpha/\beta$ ) of the melt flow rate ( $\alpha$ ) of the polymer-type antistatic agent and the melt flow rate ( $\beta$ ) of the base resin constituting the outermost layer among the polyolefin layers is at least no less than 0.5.

24. (New) The multiple layers laminated polyolefin foam according to claim 1 wherein the thickness of the entire laminated foam is 2 to 10 mm and the closed cell ratio of the laminated foam is at least no less than 60%.

25. (New) The multiple layers laminated polyolefin foam according to claim 1 wherein the thickness of the entire laminated foam is 2 to 10 mm and the closed cell ratio of the laminated foam is at least no less than 70%.

26. (New) The multiple layers laminated polyolefin foam according to claim 1 wherein the thickness of the entire laminated foam is 2 to 10 mm and the closed cell ratio of the laminated foam is at least no less than 80%.--

REMARKS

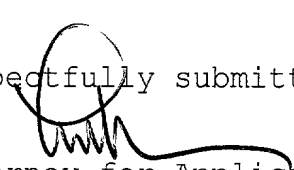
Entry of the foregoing amendment prior to examination of this application is respectfully requested in view of the following comments.

Claims 4-14 have been cancelled and new claims 15-26 have been added. Accordingly, claims 1-3 and 15-26 are pending in this application.

Claims 4-14 have been cancelled to eliminate improper multiple dependencies and to reduce the filing fee by eliminating the multiple dependent claim fee. New claims 15-26 correspond to claims 4-14 rewritten in proper single dependent form.

No new matter has been added and applicant respectfully submits that this application is in condition for allowance and an early notice to that effect is earnestly solicited.

Respectfully submitted,

  
Attorney for Applicants  
Leonard W. Sherman  
Reg. No. 19,636

SHERMAN & SHALLOWAY  
P.O. BOX 788  
Alexandria, Virginia 22313  
(703) 549-2282